

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating		
	Adequate	Limited	No Evidence
K.1	✓		
K.2	✓		
K.3	✓		
K.4	✓		
K.5	✓		
K.6	✓		
K.7	✓		
K.8	✓		
K.9	✓		
K.10	✓		
Additional Criteria			
K-AC.1	✓		
K-AC.2	✓		
K-AC.3	✓		
K-AC.4	✓		
K-AC.5	✓		

The Virginia Department of Education recommends to the Board of Education:

YES ✓

NO

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.1 The student will conduct investigations in which			
a) basic properties of objects are identified by direct observation;	✓		
b) observations are made from multiple positions to achieve different perspectives;	✓		
c) objects are described both pictorially and verbally;	✓		
d) a set of objects is sequenced according to size;	✓		
e) a set of objects is separated into two groups based on a single physical attribute;	✓		
f) nonstandard units are used to measure common objects;	✓		
g) a question is developed from one or more observations;		✓	
h) picture graphs are constructed using 10 or fewer units;	✓		
i) an unseen member in a sequence of objects is predicted; and	✓		
j) unusual or unexpected results in an activity are recognized.		✓	
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.2 Students will investigate and understand that humans have senses that allow one to seek, find, take in, and react or respond to information in order to learn about one's surroundings. Key concepts include:			
a) five senses and corresponding sensing organ (taste-tongue, touch-skin, smell-nose, hearing-ears, and sight-eyes); and	✓		
b) sensory descriptors (sweet, sour, bitter, salty, rough/smooth, hard/soft, cold, warm, hot, loud/soft, high/low, bright/dull).	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.3 The student will investigate and understand that magnets have an effect on some materials, make some things move without touching them, and have useful applications. Key concepts include			
a) attraction/nonattraction, push/pull, attract/repel, and metal/nonmetal; and	✓		
b) useful applications (refrigerator magnet, can opener, magnetized screwdriver, and magnetic games).		✓	
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.4 The student will investigate and understand that the position, motion, and physical properties of an object can be described. Key concepts include			
a) colors (red, orange, yellow, green, blue, purple), white, and black;		✓	
b) shapes (circle, triangle, square, and rectangle) and forms (flexible/stiff, straight/curved);	✓		
c) textures (rough/smooth) and feel (hard/soft);	✓		
d) relative size and weight (big/little, large/small, heavy/light, wide/thin, long/short); and	✓		
e) position (over/under, in/out, above/below, left/right) and speed (fast/slow).	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.5 The student will investigate and understand that water flows and has properties that can be observed and tested. Key concepts include			
a) water occurs in different states (solid, liquid, gas);	✓		
b) the natural flow of water is downhill; and	✓		
c) some materials float in water while others sink.	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.6 The student will investigate and understand basic needs and life processes of plants and animals. Key concepts include			
a) living things change as they grow and they need food, water, and air to survive;	✓		
b) plants and animals live and die (go through a life cycle); and	✓		
c) offspring of plants and animals are similar but not identical to their parents and to one another.	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.7 The student will investigate and understand that shadows occur when light is blocked by an object. Key concepts include			
a) shadows occur in nature when sunlight is blocked by an object; and	✓		
b) shadows can be produced by blocking artificial light sources.	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.8 The student will investigate and understand simple patterns in his/her daily life. Key concepts include			
a) weather observations;	✓		
b) the shapes and forms of many common natural objects including seeds, cones, and leaves;	✓		
c) animal and plant growth; and	✓		
d) home and school routines.		✓	
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.9 The student will investigate and understand that change occurs over time, and rates may be fast or slow. Key concepts include			
a) natural and human-made things may change over time; and	✓		
b) changes can be noted and measured.	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Science Standard	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
K.10 The student will investigate and understand that materials can be reused, recycled, and conserved. Key concepts include			
a) materials and objects can be used over and over again;	✓		
b) everyday materials can be recycled; and	✓		
c) water and energy conservation at home and in school helps preserve resources for future use.	✓		
Overall Rating for Standard	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Additional Criteria	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
1. Safe use of materials and equipment is encouraged.	✓		
Overall Rating for Additional Criteria 1	✓		
2. Materials emphasize the use of effective instructional practices and learning theories. <ul style="list-style-type: none"> • Students are guided through different approaches such as the learning cycle. • Students are provided the opportunity to conduct scientific inquiry appropriate for their age, grade, and maturity. • Concepts are introduced through concrete experiences. • Students are required to use manipulative materials during investigations and activities. • Multiple opportunities are provided for students to apply concepts. • Learning activities offer opportunities for students to revise their prior knowledge and create new knowledge. • Students are encouraged to pose questions and to identify problems, as well as propose multiple solutions and design and conduct tests of inference. • Students collect and interpret data through a variety of technologies and draw conclusions based on that data. 	✓		
Overall Rating for Additional Criteria 2	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Additional Criteria	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
3. Materials present content in an accurate, unbiased manner, and are based on sound science. <ul style="list-style-type: none"> Materials do not contain content errors (omissions of current content, out-of-date content, overgeneralizations, etc.).* Materials do not contain production errors (misspelled words, word omissions, incorrect answers).* Diverse groups (racial, ethnic, cultural, linguistic), males and females, people with disabilities, and people of all ages are represented appropriately. The materials are free of non-scientific explanation. 	✓		
Overall Rating for Additional Criteria 3	✓		

*Please note that the Department of Education does not certify that all inaccuracies and/or grammatical errors have been detected in this instructional item and reported in this correlation profile.

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Additional Criteria	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
4. Materials promote student assessment as an integral part of the instructional process. <ul style="list-style-type: none"> Assessment suggestions and scoring criteria for student performances on work such as lab practicals or tasks, concept maps, research projects, observation checklists, etc., are provided. Assessment items include multiple-choice, short answer, essay, and open-ended questions with charts, graphs, and diagrams imbedded within the items. Options include techniques for assessing students' prior knowledge. Assessment items reflect the rigor and intent of the standards. For example, they require students to use higher order thinking skills to apply, analyze, synthesize, evaluate, and make judgements or recommendations. 	✓		
Overall Rating for Additional Criteria 4	✓		

PROFILE SHEET **Kindergarten**

Publisher: Harcourt

Text/Instructional Material Title: Science, 2002

Additional Criteria	Rating Scale Please indicate the rating for each by placing a check mark (✓) in the appropriate cell.		
	Adequate	Limited	No Evidence
5. Materials are presented in an organized, logical manner, and are appropriate for the age, grade, and maturity of the students. <ul style="list-style-type: none"> • Materials are organized appropriately within and among units of study. • Format design includes titles, subheadings, and appropriate cross-referencing for ease of use. • Writing style, length of sentences, and vocabulary are appropriate. • Graphics and illustrations are appropriate. • Level of abstraction is appropriate, and real life examples, including careers are provided. • Sufficient applications are provided to promote depth of understanding. 	✓		
Overall Rating for Additional Criteria 5	✓		